

# ILLINOIS AGRICULTURIST



Fifty-Second Year

OCTOBER, 1947

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# *Campus to* GENERAL ELECTRIC

## APPLICATION ENGINEER

War took a six-year cut out of Frank Lewis' career plans. He's making a new start with G.E.

Struggling to become airborne in the teeth of an Aleutian gale, the B-25 in which Frank Lewis was serving as co-pilot spun down into a fiery crash. Frank took the long way home. Badly burned about the face and shoulders, he spent two years in Army hospitals.

When he came back to work at General Electric this spring he had been away exactly six years. He had forgotten a lot, changed a lot since the days when, fresh out of the State College of Washington, he had worked on "Test" with G.E.

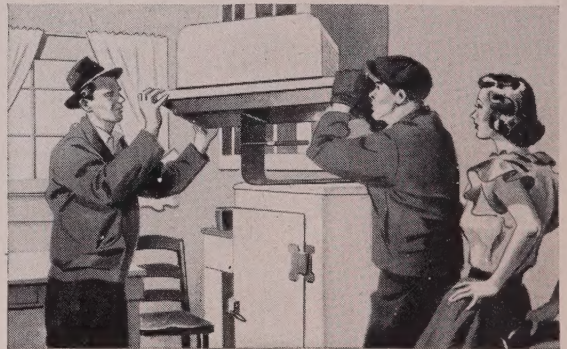
He took naturally, therefore, to the G-E Rotating Engineering Plan—especially set up to give the veteran a period of familiarization and general orientation.

"The idea worked fine," Frank says. "Any department I was interested in was ready to open its doors for me so I could come in and look it over. When I found a groove that suited me, that's where I would stick."

Frank stayed in the orientation program from March till August, considering what type of engineering assignments most interested him and best suited his abilities. For his actual work during this period he went back to something familiar—industrial control. He had worked in control before the war—had, in fact, become head of the Control Test group. Now, in the circuit development laboratory of the Control Divisions, he renewed old memories.

He decided he wanted to be an application engineer. His work proved he was capable of it. On August 1, Frank Lewis took over a desk in G.E.'s big, brick office building in Schenectady and drew the first important assignment of his new career.

For your copy of "Careers in the Electrical Industry," write to Department 237-6, General Electric Company, Schenectady, N. Y.



To help pay his way through college, Frank worked summers installing G-E refrigerators in Spokane, Washington. He graduated in electrical engineering in 1939.



Critically injured in a plane crash, Frank spent two years in Army hospitals. He's now back with G.E., shaping up a career as an application engineer.

# GENERAL ELECTRIC



# THE ILLINOIS AGRICULTURIST

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OCTOBER, 1947

Volume LII

Number 1

## **An Exponent of Scientific Agriculture**

Published six times yearly by students in Agriculture and  
Home Economics at the University of Illinois

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**Cover Photo by Chuck Scott**

## **WELCOME FROM THE EDITORS**

First the editors, business manager, and staff of the *Agriculturist* say a large "hello" to all of the freshmen, transfer, and returned students.

The magazine you have in your hands is the *Illinois Agriculturist*, student publication of the College of Agriculture. With the aid of a faculty advisory board, students of agriculture write and edit this official organ of the students. Six times each school year the magazine is published, containing news and feature articles about events in the ag college, activities, and new scientific developments brought out by the college.

In this issue we are proud to present an introduction of the college to you. H. P. Rusk, dean of the college of agriculture, and Miss Lita Bane, head of the department of home economics, welcome you.

In "Hi'ya '51," Ronald Elliott tells some of the things you may expect to find during your study here. He also includes some hints which you may find useful in getting started just as many of us have found them to be useful in the past. "Presenting Our College" is a brief summary of the departments of the college which may help you to get to know it. Other articles and news notes add more about our school and complete the issue.

Before closing our first editorial column of the year, we want to add a commercial. The *Agriculturist* depends for its success upon the wide participation of ag students. There are opening on the editorial staff for this year to accommodate any of you who like to write, who have done some writing, or even think you'd like to try it.

For those of you who would like to work with the business angle of the publication, in selling ads, collections, and a multitude of other jobs, the business staff will be glad to have you.

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# Welcome to Illinois



H. P. RUSK

I am glad to extend official welcome to the class of '51. You are starting your college training at a time when our whole national economy is facing revolutionary changes. Agriculture will be no less affected than other sectors of our economy.

One change that is now in process of accomplishment is the rapid trend toward complete mechanization of many farm operations. Rural electrification is a part of this change. Another change is the growing acceptance of soil and water conservation as a national problem of great social and economic importance.

War-born interest in the broad field of food technology is pressing for better alignment and better direction of research and teaching in our universities. The closely related field of antibiotics is furnishing new techniques and procedures for solving many agricultural problems and already has made great contributions to public welfare. Research in the field of atomic energy has made available "tracer elements" that promise new advances in our knowledge of plant, animal and human nutrition.

These are just a few of the indicators of advances. Truly we face a new era in which the dynamic possibilities of agriculture are difficult to visualize.

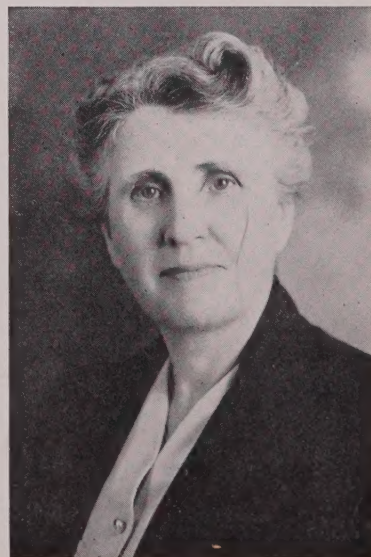
In this new era, men trained in agriculture and women trained in home economics will be needed as never before. I congratulate you on the opportunities which you have here at the University of Illinois to prepare for a useful and satisfying part in the march of science toward the solution of the everyday problems of life.

The long-awaited day has arrived! Your college life has begun. You are now a student at the campus of the University of Illinois. You have said a temporary "good-bye" to family and hometown friends and have joined a community made up almost entirely of people about your own age having the common occupation of seeking a college degree. You doubtless feel a little strange, perhaps a bit lonely and homesick at times. That is the usual experience of all of us when we are away from home for the first time and it doesn't last long. You will soon feel at home among the thousands of young people enjoying the fun and work—a great university.

Hold fast to your ideals! You doubtless came to college to prepare yourself to be useful in the troubled world in which we live today. There are many ways to be useful. You may change your route but don't change your destination!

Keep the high resolve and the courage that you have brought with you. Work hard, play hard, enjoy your new friends. And along with it all, learn to enjoy and appreciate your family and your old friends in the more mature way that being "on your own" makes possible.

Time passes quickly and your commencement day really isn't far away. See to it that in these four short years you equip yourself to be the happy, useful person you want to be. The faculty stands ready to be of service to you in every possible way. Welcome to an adventure that I hope will be stimulating and rewarding! Best personal wishes to you.



LITA BANE



# Hi 'ya — Class of '51

By Ronald Elliott

You've come to the University of Illinois, home of beautiful coeds, "hard-boiled" professors, the Plowboy Prom, midnight gab-sessions, last minute exam cramming, the Rose Bowl champs (Illinois 45, UCLA 14, remember?). Welcome, from your fellow students.

Some of you are living away from home for the first time. The University is a big place and becoming used to it may seem difficult at first. Walks are crowded with strange faces, and buildings seem to possess a cold aloofness. However, that "lost" feeling, experienced by nearly everyone, soon passes as new acquaintances are made, and you find that you can locate a certain lecture room in Davenport hall twice in succession without asking for aid from an upperclassman.

The first week or so may seem the hardest of the year. Everyone is a bit confused and registration lines seem slow and unending. Everything eventually works out, however, even though you may find yourself taking French 2c instead of animal husbandry 1. It's embarrassing to find yourself in the wrong classroom on the first day of classes, but it happens to everyone.

## Honoraries Recognize Scholars

The main reason most of us come to college is for an education in some field of agriculture. That takes a lot of time and study, and, despite stories to con-



**The Alpha—**  
College starts with  
Registration

trary, it can't be accomplished by cramming the last night before exams. For freshman scholars, there are honoraries for men and women who excel in classwork. These are Phi Eta Sigma for men and Alpha Lambda Delta for women, both of which require a 4.5 average, or half A's and half B's for either the first semester or the entire freshman year. Although most of us have to be satisfied with average grades, a scholastic honorary key is something to be proud of.

Outstanding students in the college of agriculture who are high in scholarship, character, and active in college activities may become members of Alpha Zeta, senior honorary for agricultural students, or of Omicron Nu for home economics students.

## Activities are Important Too

A sizable part of the education received in college doesn't come from lectures and textbooks, however. Many new friends can be made and valuable training gained from campus activities. The Ag club membership is open to all ag students. It is divided into several smaller subsidiary clubs which are more specialized.

The Ag club sponsors All-Ag Field Day, a get-together for faculty and students in the fall, the "Little Interna-

tional," judging contest in the spring, and other activities. Home economics students are eligible for membership into the Home Ec club which carries on many activities. Being active in these clubs is an excellent opportunity to get acquainted with other ag students.

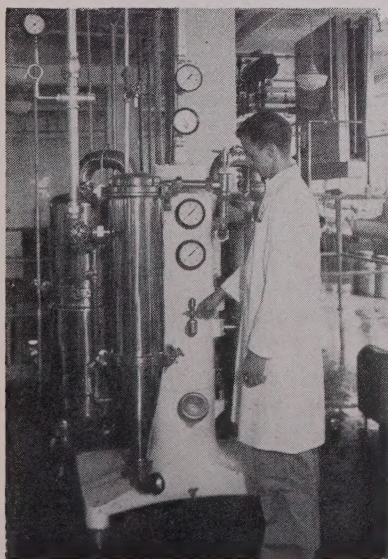
In addition, there are opportunities for participation in many activities outside of the agricultural college. These include the YMCA, YWCA, Illini Union, church foundations, athletics, and many others. There are several honoraries which honor outstanding service in various campus activities.

## Don't Forget the Social Life

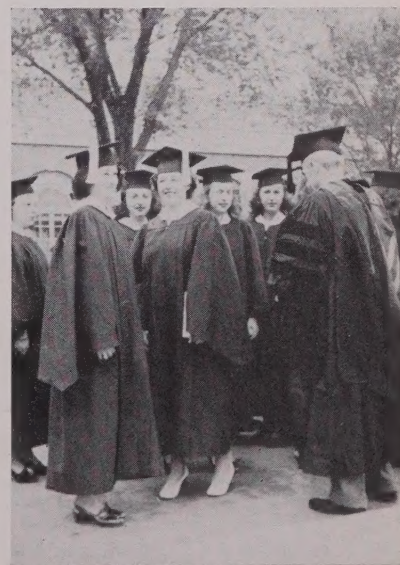
As far as social life is concerned, it is a little tough for the fellows, the ratio of girls to boys being overwhelmingly in favor of the girls. The date problem will have to be left to the discretion and ingenuity of the men. Campus dances, parties, and athletic events are some of the best parts of college, in fact, they are tops with most of us.

A highlight of the year on the ag campus is the annual Plowboy Prom. Featuring blue jeans, gingham dresses, vegetable corsages, box lunches, and a swell name band, it is an occasion that adds up to a great deal of fun for aggies.

All in all, college life is a great experience. It is up to you to make the most of what it has to offer. So welcome, freshmen, to the University of Illinois.



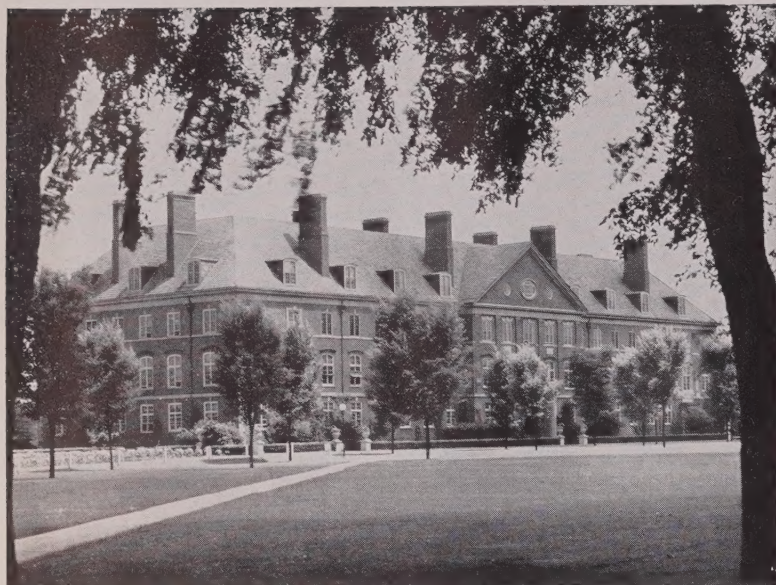
**The Interim—**  
Study and hard work are  
the keynotes



**The Omega—**  
Commencement is the end  
and the beginning



# PRESENTING . . .



To prepare men and women for successful careers in agriculture and home economics, the college of agriculture offers many courses in these two fields, which have in common an interest in the production, processing, sale and use of food and clothing materials.

Major emphasis in the college is placed upon the general curricula in agriculture and home economics. These two curricula are based upon required courses which educators believe to be of particular importance in training of agricultural students, with flexibility of electives to allow the student to specialize and prepare himself for a career in his chosen field. Upon satisfactory completion of the four year courses, students graduate with the degree of bachelor of science in agriculture or bachelor of science in home economics.

## **Agricultural Economics**

Work in agricultural economics is growing and there are many opportunities for economists trained in agriculture. Recent graduates have taken positions in farm management, cooperatives, federal agencies, farm appraisal work, credit fields, and as assistant farm advisers.

Courses in agricultural economics pertain to economic principles as applied to agriculture, farm management, land economics, agricultural marketing, credit, prices and statistics, and rural organization.

Much of the work in agricultural economics calls for graduate work and numerous graduates during the past few years have continued their advanced work here or at some other school.

## **Agronomy**

The study of soils and crops deals with the very basis of the agricultural industry, the two factors which support the structure of agriculture. Opportunities are wide in soil conservation, grain marketing, commercial seed companies, research, etc.

Courses in the department deal with the morphology, physics, chemistry, biology, and productivity experiments in soils and with crop production, pathology, and plant breeding.

## **Animal Science**

Specialization in animal science (newly adopted title for the former animal husbandry department) prepares the student for work with livestock in the various stages from production to meat packing. Animal science is also valuable to those who are going to farm or to those going into vocational agriculture or farm adviser work.

Courses in this department cover study of judging, care and management, nutrition, genetics of the different breeds and classes of livestock.

Graduates have gone into work as livestock association field men, packer and order buyers, research in livestock and meats, and many into livestock production on their own farms.

## **Dairy Husbandry**

Fields available to the student who specializes in dairy production include work as dairy farmers, breed association work, fieldmen, research, extension, and as vocational agriculture education and farm adviser work, particularly in dairy counties of the state.

The college of agriculture provides

Our college of agriculture is really quite a large institution. Three of the campus' major buildings and seven others, exclusive of the experimental farm buildings, house the administrative and training facilities. Each year, approximately 1,400 students enroll for study administered by a staff of about 350 men and women, exponents of scientific agriculture.

Nearly every day, although they may have been here several years, students learn something more about the scope of the college, its organization, curricula, or its contributions to the agriculture of Illinois and the nation. Students have

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**Mumford Hall—Home of  
the College of**

## **AGRICULTURE**

study in judging, breeding, feeding, and management of dairy cattle, from the productive standpoint.

## **Horticulture**

Truck farmers, orchardmen, commercial canners, plant breeders, and plant pathologists, are among the jobs taken by graduates who concentrated on study in horticulture. The future is bright for men trained in these fields.

Courses for undergraduates and graduate students preparatory to careers in horticulture are furnished by the college of agriculture.

## **Curriculum in Agricultural Engineering**

A five-year curriculum comprised of study in agriculture and engineering prepares the student as an agricultural engineer for work in soil conservation, farm building construction, rural electrification, farm machinery and other related fields for which there is a demand for trained men.

Students who carefully follow the prescribed course of study in this curriculum, may secure two degrees, one in agriculture and one in agricultural engineering.

## **Curriculum in Dairy Technology**

Leading to a degree of bachelor of science in dairy technology, this curriculum prepares the student for work in industrial or academic research, administrative work in the dairy industry, or as a processing plant operator.

To take advantage of good opportunities for dairy tech men, the student may specialize in manufacturing and marketing of dairy products or the bacterio-

(Continued on Page 10)



# ... OUR COLLEGE

expressed a desire to know more about the college and particularly about the kinds of work a student is trained for by specializing in any one or more of the various departments.

By consulting with heads of departments and high ranking staff members, we have compiled a directory of general information about the departments and about the work into which graduates have gone.

We hope this will help new students to know their college better and sooner and that it may answer some questions of those who are back again this year.

—THE EDITORS.

## Bevier Hall—Center of Study in HOME ECONOMICS

### Institutional Management

For girls who have a keen interest in foods and are willing to put their all into work that often pays low wages but always high in satisfaction, institutional management is a good field.

Freshmen who are considering this field should follow the program arranged by the home economics department, which includes specialized courses preceded by the necessary basic courses. These basic courses provide a sound background and help the home ec students talk intelligently with those majoring in other subjects.

Many of the fundamental courses are not taken seriously because one feels that they cannot possibly help in institutional management. Impressions such as these are false and should be avoided.

Restaurants and hotels provide excellent positions for those apt and food conscious young women with a major in institutional management. A word to the wise might be work hard, learn much, and participate in activities in order to gain leadership and tact.

### Food and Nutrition

The horizons of success look exceedingly bright for the future of foods and nutrition. A multitude of opportunities are now available in this field—opportunities in the fields of teaching, research, radio, advertising, and business.

Although this is an extremely specialized form of home economics, one should not assume that the jobs available to graduates in this field are limited. On the contrary—there are an abundance

and variety of positions open in this line of work.

Since this is a specialized line of study, a thorough scientific background is essential. For example, students in foods and nutrition are required to study physiology, bacteriology, and chemistry in order to understand the composition of foods, the theory of food preparation and the reaction of food in the body. They must also learn the planning of nutritionally balanced menus, and the preparation and service of appetizing food.

On graduation day, the girl who has majored in foods and nutrition will surely feel that she has had valuable training, and is adequately prepared for a brilliant future.

### Textiles and Clothing

Millions of people wear clothes and consume textiles in a countless number of ways, and the home economist can find a niche in this large field to fit her own personality and talents. If she is artistic, loves to create and has many ideas then designing and fashion work may be her choice. A yen for the scientific may lead to a textile research job with a testing company or department store.

A career in merchandise buying, fashion coordinating, textile testing, teaching, sales promoting, designing, advertising and writing are a few of the fascinating jobs leading from a background training in textiles and clothing.

Opportunities for the home economists in business are widening, with a special outlook toward the merchandising field.

Many department store executives feel that textiles and clothing training is basic to specialized training for jobs in buying, fashion work or teaching of textiles classes for employees.

A freshman can confirm her interest in textiles and clothing by taking the beginning textiles course, home economics 7, and the clothing course home economics 29b. Summer jobs in department store selling and related fields, and sewing and designing as a hobby are excellent background. Members of the teaching staff or Home Ec club also are able to give advice and information about training and opportunities.

### Teacher Training, Home Management

If teaching is what you've been thinking about, you are lucky, for schools are literally begging for trained home economics teachers. Many high school departments have been closed because of the shortage of trained teachers.

Preparation for teaching or home management takes you into all the phases of home economics: design, dress making, meal preparation, cooking, home decoration, and child care and development.

The work brings you in contact with young and old and offers an opportunity for leadership in the community. The long vacations may be used for play, travel, or extra study.

### Child Development

This department offers an excellent opportunity for the important study of child development. Eminent men and  
(Continued on Page 16)





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## HOME IS WHERE THE HEART IS . . .

Housing has become a large and well-known problem to people all over our nation. This necessary part of our lives has always been of interest and held some fascination for many men and women, but now concentration has been gained because of the critical need for housing by many.

You home economics students who will be making the homes of tomorrow will be interested in considering the points brought out by Miss Virginia Hoyt Weaver, associate professor of home economics.

### Housing as a Profession

Through courses offered here at the University you can delve into these seeming mysteries and fascinations of modern housing and come up with an even more fascinating career. There is no major in the department, but fundamentals are taught which can give a basis for your future work and advancement.

If a girl wants a start along this line, here is the place to get it. The profession can be reached through home economics courses taught by Miss Weaver, plus as many other arts, textiles and crafts courses as can be worked in. The actual home economics courses offered are few, but they are general and applicable.

A career in housing or some branch

of housing can be both cultural and practical. An understanding of and a taste for beauty and the arts is gained, while at the same time this knowledge is applied to standards of good housing. The aim is to understand a house and how to get it.

This study is not limited to women or just home economics women, for many outside of the department find this to be their chosen field. Housing can be a creative hobby as well as a top flight profession, or even useful as practical knowledge for one's benefit in another field.

### Many Opportunities

There are many means of approaching this profession. One thing is certain, and that is that selling will hold a major role. So, get experience and see if you like to sell. Then enter the field, perhaps through one of the large department stores. Some will offer schooling, in that you work half-a-day and attend school the other half.

Working in the drapery, rug, or furniture department may lead to the home planning institute or the store's own decorating department. Not only large department stores, but paint, gift, or home furnishing stores offer outlets.

### Combine it With Writing

Perhaps you have a journalistic turn and would prefer writing for a magazine

or some publication. Sketching and photography are also necessary to any household department of a publication.

Do you want to teach? This is another means of applying your study and talent. These are two present-day short-ages which can go hand in hand.

Every woman is interested in a home as a career some day in the future. A knowledge of housing can be an important factor in molding that psychological atmosphere which makes your home more than the proverbial "place to hang your hat."

Eldon Larson, editor of the *Agriculturist* in 1946 and 1947, is doing graduate work in animal husbandry at Oklahoma.

Ruth Jacques, last year's woman's editor of the *Agriculturist*, is working in journalistic work with the Pet Milk company in St. Louis.

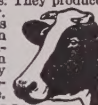
Don Davis worked with the show herd of Circle A Hereford farm, Morris, Ill., during the summer.

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## GREETINGS FROM THE CLUBS

On behalf of the Ag club, we extend a hearty welcome to you, the class of '51, as well as all of you transfer students. We wish you much success in this, your first year at Illinois, and hope that we may have the privilege of becoming acquainted with all of you as soon as possible.

We extend a special invitation to you to become an Ag club member and share in the extra-curricular activities that we provide. Membership in the Ag club gives you an added opportunity to learn more, meet more students, make more friends, and more fully enjoy the benefits of the University.

To you upperclassmen and oldtimers, a cheery "hello"—it's good to see you back on campus again for another big year. As members of the Ag club, we know you are ready and willing to lend a helping hand to the class of '51 and to fill the shoes of the class of '47. We'll be looking forward to seeing you all together at the first big event—All-Ag Field Day.

KENT M. RYAN  
President, Ag Club

The Isabel Bevier Home Ec club extends a gracious welcome to you, future home economists. Through fellowship of the club, we offer you an opportunity to express your ideas and abilities in the many fields included in home economics. We also hope to further establish the prestige of home economics on our campus.

In this club you will meet and hear outstanding professional women in your field; gain a better understanding of the many and far-reaching fields that are opened through home economics; and find assistance in establishing yourself on a professional level.

The recreational and professional program which has been planned for the coming year will begin with the club-sponsored Freshman Open House, scheduled for the last day of registration. The first of many activities held jointly with the Ag club will be All-Ag Field Day, planned for early in the semester. With your help and interest we are looking forward to a very successful year.

SUE ROBINSON  
President, Home Ec Club

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For more information about Champion Farmer John J. Gannon, write to The Firestone Tire & Rubber Company, Akron, Ohio

## Champion Farmers Specify **Firestone** **CHAMPION GROUND GRIPS**

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OUT PULLS  
OUT LASTS**



## **Little International Will Be Staged This Year**

By Ken Elliott

For something out of the ordinary in the way of an educational and entertaining show, mark Nov. 15 as a big day on campus. On that day the Little International will be staged in the Stock pavillion for its first posts-war appearance.

In pre-war years, the Little International featured a livestock show patterned after the International Livestock exposition. Students from one of the animal husbandry judging classes selected and showed animals from the University herds, with prizes given for the best showmen.

In addition to the livestock shows, past Little Internationals, have included many and varied contests with individual and organization competition. A favorite stunt contest of past performances, log-rolling, may be revived for this year's spectacle.

Complete plans for the event have not been made yet, but through use of the proven successful formula for the Little International, embellished with some new ideas, the committee guarantees a large time for those who participate and attend.

Watch for more details in the November issue of the Illinois Agriculturist.

## **AG COLLEGE . . .**

(Continued from Page 4)

logical, chemical, or engineering aspects of the field.

### **Curriculum in Floriculture**

There is a large demand for people who are trained in the different branches of the florist industry. The curriculum which leads to the degree of bachelor of science in floriculture, fits the student for work in production, retail floral, civic park work, and many other phases of floricultural work.

### **Curriculum in Food Technology**

For students who wish to prepare themselves for positions in the rapidly expanding food industry, the college of agriculture has instituted a curriculum which leads to the degree of bachelor of science in food technology. With more and more specialization in food processing and handling, the prospects are bright for students trained in this field.

### **Curriculum in Vocational Agriculture**

A strong demand persists for vocational agriculture teachers in high schools, and in addition opportunities in extension and farm advisory work may be available to the student trained in this curriculum.

The degree of bachelor of science in vocational agriculture, which is received upon successful completion of the four-

year curriculum, qualifies the graduate to teach vocational agriculture in high schools in Illinois and many other states.

### **Pre-Forestry Curriculum**

Reforestation, soil conservation, forest conservation, and wild life reservation work are a few of the good fields which are open to trained foresters. The work in the college of agriculture is a two-year pre-forestry course which will prepare the student to enter a school of professional forestry.

### **Pre-Veterinary Curriculum**

The pre-vet curriculum which provides two years of basic study for entrance into a college of veterinary medicine is administered by the college of agriculture, with the assistance of the staff of the college of veterinary medicine.

Kent Ryan, Ag club president, spent the summer working with the Northern Illinois Dairy Cattle Breeding association. Kent did contact work, picked cattle for the Southern Illinois and Illinois State Holstein sales, judged the milking derby at the state fair, and judged dairy classes in several county fairs.

Betsey Kindred, former woman's editor of the Agriculturist and now a home ec teacher at Beason, was in school during the first eight weeks doing graduate work.

# **THE SPOT TO SHOP**

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**LAUNDRY CASES -- FOUNTAIN PENS**

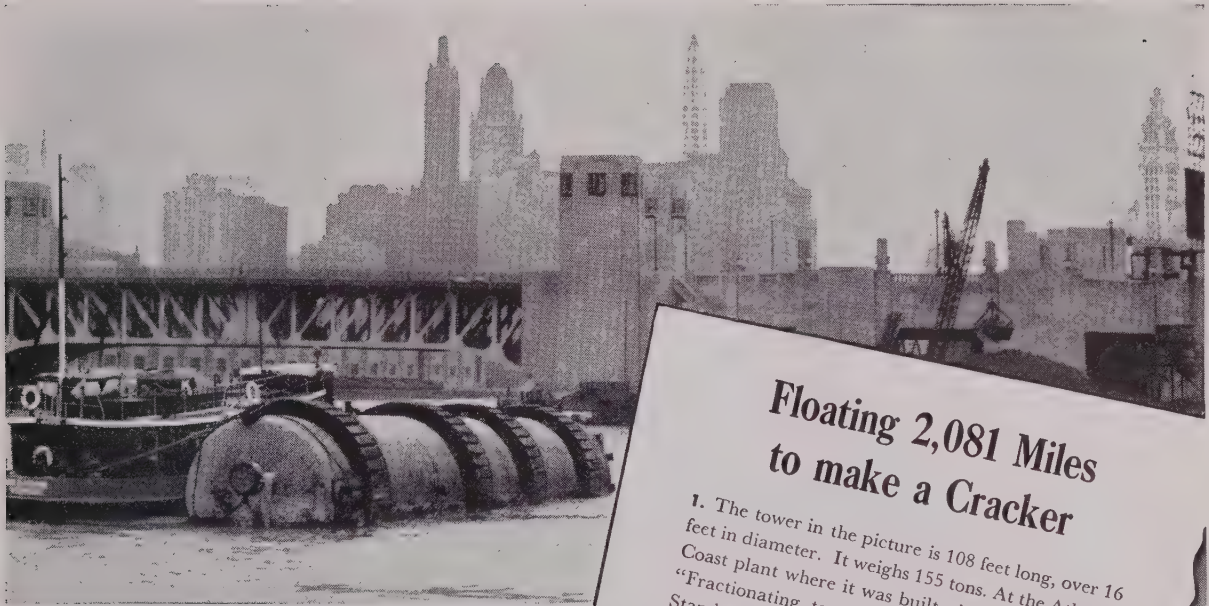
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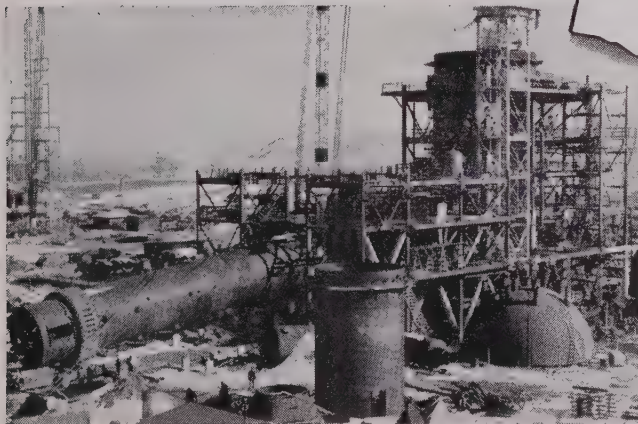
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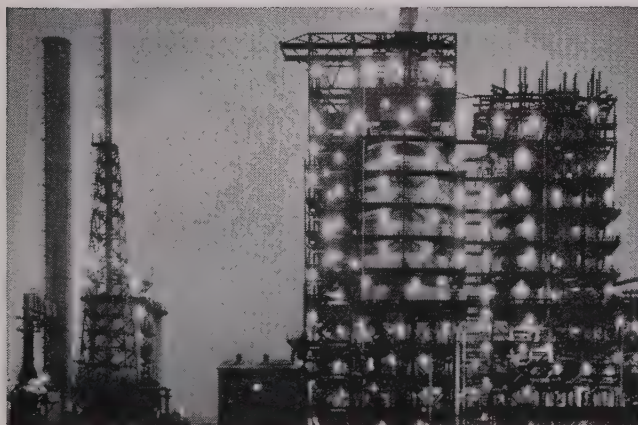


## Floating 2,081 Miles to make a Cracker

1. The tower in the picture is 108 feet long, over 16 feet in diameter. It weighs 155 tons. At the Atlantic Coast plant where it was built, the job ticket read, "Fractionating tower for catalytic cracking unit, Standard Oil Company (Indiana)." Too big to be shipped overland, it had to go by water to Standard's refinery at Sugar Creek, Missouri, near Kansas City—a matter of 2,081 miles!



2. The tower was timber-cribbed and floated, towed up New York Harbor and the Hudson River, across New York State by canal. A tug took over the towing job through Lakes Erie, Huron and Michigan, riding out a storm en route. Then the tower was loaded on a barge to complete its journey via the Illinois, Mississippi and Missouri Rivers. This winter at Sugar Creek, the cat cracker of which this tower is part goes on stream, joining similar units already operating at other Standard refineries. It has a charging capacity of 25,000 barrels a day!



3. Like our Burton Stills in 1913 and continuous units of 1932, catalytic crackers are milestones in petroleum progress. Today at Standard, the industry's ablest engineers and research men are developing new . . . and better processes and products. Men of the same type are coming from leading colleges of science and engineering to start work at Standard. Here they find unexcelled technical facilities for research and design. If you want a career with splendid opportunities to advance and make real contributions, you should get to know Standard better.

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## Ag College Adds Food Technology Curriculum

Rapid expansion in the food industry in many of its varied phases of preparing food for consumption is making new opportunities for people trained in food technology. In keeping in stride with needs of the country in agricultural fields, the college of agriculture has established a curriculum in food technology.

When announcing the new four-year course which leads to the degree of bachelor of science in food technology, R. R. Hudelson, associate dean of the ag college, said that "by appropriate choice of electives and where possible, by summer employment in selected industries, the individual may fit himself for entrance to and advancement in one of numerous technical or business phases of the food industries."

The curriculum is divided into five sections, 90 to 92 semester hours for men and 86 to 88 semester hours for women of prescribed courses, and the remainder selected to meet minimum requirements in four groups of electives.

The prescribed courses include work in mathematics, rhetoric, botany, zoology, hygiene, general, qualitative, quantitative, organic chemistry, biochemistry, physics, bacteriology, accounting, human nutrition, and economics.

A minimum of 25 semester hours must be selected from agricultural courses such as marketing, grading, slaughtering and processing of meats, dairy bac-

teriology, experimental foods, and growing vegetables for manufacture.

Group II electives provide for a minimum of eight hours to be selected from courses in economics, English, foreign language, geography, history, philosophy, political science, psychology, sociology, or speech.

Five semester hours in technical and business courses other than agriculture are required in Group III. Courses may be selected in bacteriology, botany, business organization and operation, chemistry, engineering, mathematics, or physics, other than those required in Group I.

Free elective courses, although not required, allow up to six semester hours, to complete the total of 130 hours required for graduation.

The suggested outline of study is as follows, fourth year, all electives:

### First Year

First Semester	Hours
Math. 3, algebra	5
Rhet. 1, rhetoric and composition	3
Chem. 1 or 2, general chemistry, 5 or 3	3
Botany 5, for students in agriculture	3
Physical education	1
Military science	1
Total	16 or 18
Second Semester	Hours
Math. 4, plane trigonometry	2
Rhet. 2, rhetoric and composition	3
Chem. 5, inorganic and qualitative chemistry	5
Zool. 15, animal biology	4

Physical education	1
Military science	1
Hygiene 5, hygiene and sanitation	2
Total	18

### Second Year

First Semester	Hours
Chem. 22, quantitative chemistry	5
Physics 7a and 8a, general physics (mechanics, sound, and heat)	5
Bact. 5a and 5b, introductory bacteriology	5
Physical education	1
Military science	1
Total	17
Second Semester	Hours
Chem. 33, organic chemistry	5
Physics 7b and 8b, general physics (light, electricity, and magnetism)	5
Economics 2, elements of economics	3
Physical education	1
Military science	1
Electives	3
Total	18

### Third Year

First Semester	Hours
Chem. 50, biochemistry	5
Agr. Econ. 30, economics of the food industries	3
Accy. 12, fundamentals of accountancy	3
Electives	5
Totals	16
Second Semester	Hours
Chem. 29b, food analysis	5
Bact. 8, food and applied bacteriology	5
Home Economics 41, principles of human nutrition	3
Electives	3
Totals	16

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**SOUTH CAMPUS**

**OCTOBER 17**



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# Ag Campus Highlights . . .



Left . . . World-famed Morrow plots, oldest agricultural experimental plots in the United States, teach their lessons to all who pass.

Lower . . . The winding walk through the rock garden leads to the Lily Pond, a spot of beauty and serenity, shaded by weeping willows.

Right . . . The sturdy building with its twin columns, known to thousands of alumni as "Old Ag," was named Davenport hall last year in honor of Eugene Davenport, dean of the college from 1895 to 1922.









# TIME

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## WHILE YOU WERE GONE . . .

Just as the students who go home to the farm for the summer, the ag college seems to hit a peak of activity in the summer. Extension people, particularly in 4-H, were busy with one activity after another.

During five days, June 16 to 20, more than 8,000 boys and girls from 4-H clubs in nearly every part of the state toured the campus as guests of the University Extension service. O. F. Gaebe and Miss Mary A. McKee supervised the program, with assistance of many other staff members and students who served as guides for the tours which were reinstituted this year after a lapse since 1941.

A week later, about 1,000 farmers, a majority of whom were veterans enrolled in on-the-job training programs throughout the state, visited the ag college open house. Faculty members participated, discussing and acquainting the visitors with the college, experiment station, and new developments in scientific agriculture. This event was held for the first time since before the entry of the U. S. into the war.

### Many Worked at County Fairs

County fairs began in July and men from dairy, animal science, agronomy, and other departments were kept busy judging livestock and farm products and other exhibits at many of them.

Four-H extension staff members were busy conducting camps and other state 4-H activities during this time.

Illinois agriculture's Big Parade, the state fair, solicited the services of many of the ag college staff, as well as the attendance of scores of Illini aggies. E. I. Pilchard, Frank Mynard, and O. F. Gaebe were among the extension people who conducted the 4-H department. Miss Jesse Heathman and Hadley Read, new extension editor, con-

ducted the Illinois Farm Hour of WILL during the fair week, concentrating on the news of the Junior department. Frank Mealiff, Paul Hendrein, John Shields, and Dale Schlieper, were among the many Illini who helped in supervisory and administrative work with the Junior department.

### Staff Judges at State Fair

Dairy husbandry men were to be found around the dairy shows. C. S. Rhode was superintendent of dairy cattle, J. G. Cash and E. E. Ormiston judged the Junior dairy show, and Ormiston placed open class Ayrshires. W. W. Yapp judged Jerseys.

Animal science professors were equally busy with the livestock show. J. L. Edmonds judged horses and J. L. Krider and H. G. Russell placed the Hampshires and Durocs, respectively.

J. C. Hackleman and W. O. Scott, of the agronomy department, judged farm products exhibits, county agricultural displays, vocational agriculture exhibits and general farm products entries.

The campus was invaded by nearly 25,000 farm people for the annual farm bureau sports festival, Aug. 28 and 29. "Duke" Regnier and Miss Mary Hubbard were staff members on the general administrative committee. More than 4,500 competed in the contests.

Sept. 6 was the date of 4-H judging contest, overseen by extension personnel in 4-H club work. Miss Claretta Walker managed the state Rural Youth camp at East Bay Sept. 7 to 13.

We know that we have missed numerous ag college activities and do not have complete lists of names of people who aided in the activities we have mentioned, but perhaps this will give an idea of the work which was carried on while you were gone this summer.

## HOME EC . . .

(Continued from Page 5)

women have given years to the study of the problems of growing children and to determine the best means of guiding them toward a happy, well-balanced, and useful maturity.

The beginning course in child development, home economics 56, is required for all majors. In this course we are introduced to the intricate parts of the child's physical, mental, and social development; the many different problems children have in each; and the best techniques to gain the good and avoid the undesirable behavior.

Home economics 56b is taken concurrently with 56 and in this course the student observes children in nursery school. Here the student is more alert to the part that the child's actions and experiences play in his general development. The techniques learned in the

classroom are put into effective practice for the student to observe.

### Nursery School Provides Laboratory

The nursery school, sponsored by the home economics department, is on the first floor, south side of Bevier hall. There are playrooms inside and an outside playground. This nursery school is used for research, as a laboratory for child development majors, and a wonderland for many children. The parents also have an opportunity to watch their children react to modern techniques which help them to improve their methods at home.

The advanced courses take up more specific problems and require individual investigation in family relationships and particular phases of child development.

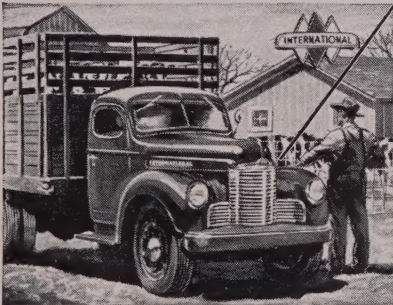
Four hundred and seventy students were in school in the college of agriculture during the summer.



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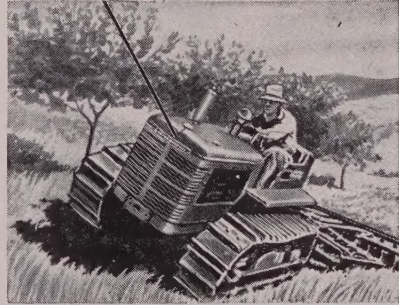
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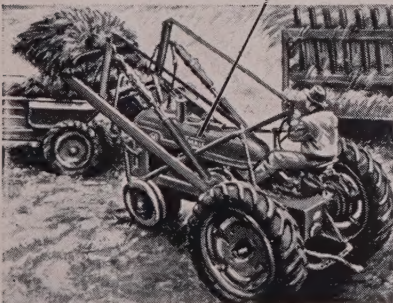
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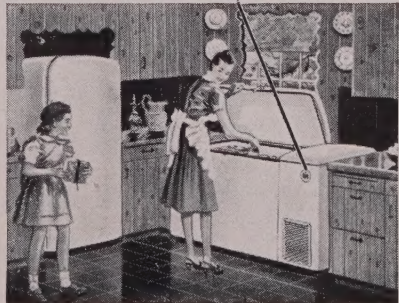
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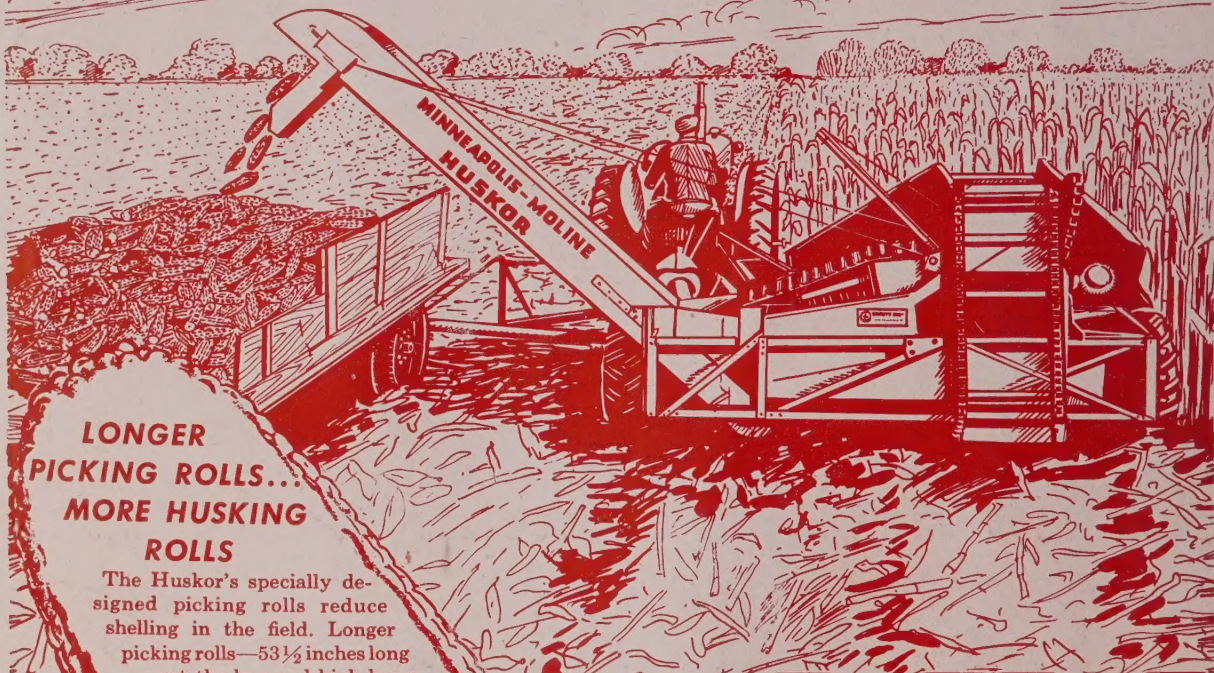


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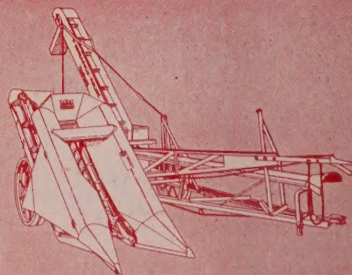
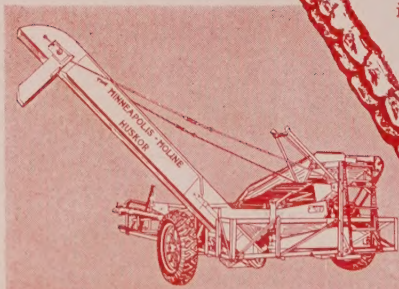
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